

Central Wire 6509 Olson Road Union, IL 60180

Mr. John Nordine U. S. EPA Region 5 RCRA Enforcement & Compliance Assurance Branch (LU-16) 77 West Jackson Boulevard Chicago, IL 60604

RE: Central Wire, Union, IL Monthly Progress Report and Attachments,

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I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to evaluate the information submitted. I certify that the information contained in or accompanying this submittal is true, accurate, and complete. As to those identified portion(s) of this submittal for which I cannot personally verify the accuracy, I certify that this submittal and all attachments were prepared in accordance with procedures designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, or the immediate supervisor of such person(s), the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:

Name:

Title:

Date:



Autumnwood ESH Consultants

6539 Autumnwood Court I Mount Pleasant, Wisconsin 53403

Phone: 262.237.1130

15 July 2018

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-16)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re:

Central Wire, Union, Illinois RCRA CMI Monthly Progress Report - June 2018

EPA ID: ILD005178975

Dear Mr. Nordine:

Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire, Inc. (CWI) facility located in Union, Illinois for June 2018.

This report includes the eDMR for the groundwater pump & treat facility, the NPDES laboratory analytical reports, which include the effluent data used in the eDMR. It also includes the Extraction Well 1 and 2 influent data and the South Branch Nursery well no. 1 (irrigation) and well no. 2 (restroom) analytical data for Volatile Organic Compounds which are included in the 6-2018 NPDES Analytical Report file. Lastly, the analytical data from the semiannual RCRA monitoring and residential well sampling is included in this report.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT: it

encl

CC:

Joyce Munie

IEPA

Robert Kay

USGS

Gerald W. Ruopp

Central Wire

Robert Johnson

Central Wire

MONTHLY PROGRESS REPORT Central Wire Union, Illinois Site June 2018

1 Progress Made This Reporting Period

Groundwater Pump & Treat System

In this reporting period Central Wire Inc. (CWI) continued the operation and maintenance of the groundwater extraction and treatment (P&T) system. CWI treated an average of 307,000 gallons per day (GPD) with a maximum daily flow of 319,000 GPD. Table 1, attached, lists the average daily P&T volumes by month from January 2015 through June 2018. The influent flow to the pump and treat system has been reduced by about 30,000 gallons per day per month since November 2017. CWI is working with another well driller to get estimates and quickly address the flow reduction situation.

The laboratory analytical report for the pump and treat effluent sample were collected on June 21, 2018 and arrived at Test America Laboratory on June 22, 2018 at 2.2° C.

The monthly NPDES sample met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for the month is attached to this report.

South Branch Nursery Well Samples

The South Branch Nursery well samples [well no. 1 [(irrigation) and well no.2 (restroom)] well samples were collected at the same time and sent to the analytical laboratory in the same batch. There were no volatile organic compound detections found in the South Branch Nursery. South Branch Nursery locations are provided in Figure 1.

CWI Quarterly Extraction Well Samples

These samples are collected quarterly in the third month of the calendar quarter. Samples were collected in June and the results are provided in Table 2, attached, which shows the quarterly data back to the first quarter of 2014.

The estimated Blended Influent Pump & Treat Concentration is based on EW-1 pumping about twice as much as EW-2.

EPA has requested that CWI provide information on EPA Maximum Contaminant Limits (MCL) exceedances, trends in concentration of major contaminants through time, potential effects of decreased pumping in EW-2 on results (TCE, PCE & TCA trends appear to mirror pumping trends) and the implications for plume capture.

There were no MCL exceedances for the Chemicals of Concern in Extraction Well No. 1. The levels of TCE have decreased from a high of 15 μ g/L in 2Q2014 to the current low

value of 0.8 μ g/L in 2Q2018. This value may be an outlier given the values have been between 6.5 and 7.5 μ g/L for the past 10 quarters. PCE has exceeded the MCL only once in EW-1 in 2Q2014. For TCA, there have been no MCL exceedances and the values have ranged from 0.2 to 18 μ g/L, well below the MCL of 200 μ g/L, though recent samples have been in the 3.4 to 4.4 μ g/L range. For 1,1- Dichloroethene (DCE), the value for this quarter may be an outlier since 10 of the 13 samples since 2Q2015 have exceeded the MCL, ranging 7.0 to 9.4 μ g/L with no apparent trend. For cis-1,2-DCE, this value may also be an outlier since, in 18 samples, the MCL was exceeded 13 times.

For Extraction Well No. 2 (EW-2), TCE has exceeded the MCL in each of the 18 samples. Values range from 6.8 to 23 μ g/L with no apparent trend, though the high of 23 μ g/l was observed in 2Q2014 and the last four quarters have averaged 8.8 μ g/L. For PCE the values range from anomalies of 0 and 1.7 μ g/L to in the upper 20s and 30s in μ g/L with a slight downward trend from 38 μ g/L in 2Q2014 to 28 μ g/L in 2Q2018. TCA values in EW-2 were all below the MCL and ranged from 2.9 to 54 μ g/L. For DCE, all values but 3Q2017 were below the MCL of 7 μ g/L. The 3Q2017 slightly exceeded the MCL at 9.1 μ g/L. There were no issues with cis-1,2-DCE in EW-2.

Regarding potential effects of decreased pumping in EW-2, there does not appear to be a trend associated with the decreased production from EW-2.

The decreased production in EW-2 does have implications for reduced plume capture, but at this time CWI is focusing on increasing production in EW-2 as opposed to evaluating the capture zone.

South Branch Nursery Wells

Central Wire has submitted the McHenry County Storm Water Management permit applications for the replacement irrigation well (if needed) and the pump & discharge well. CWI has received comments on both application and expects to respond to those comments by the end of July.

Irrigation Well Pumpage

Over the month Central Wire personnel read the hour meter on the Central Sod well pump engines for the Route 176 and the Kunde Rd. irrigation wells on a weekly basis. Table 3 provides the data collected from the hour meters on the pump engines. This data is used in Table 4, attached, which plots the groundwater elevations against the daily precipitation and weekly irrigation well pumpage at Central Sod farms. The precipitation data is from the National Weather Service's Marengo station except July 1 and 2 which was taken from the Harvard station because no July precipitation data was not available from the National Weather Service for the Marengo station.

Table 3
Summary of 2018 Irrigation Pumping Hours per Week at Central Sod Farms
June 1 through July 2, 2018

Date of Hour	Route 17	76 Pump	Kunde F	ld. Pump	Hours of
Meter Reading	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped	Irrigation Well Pumping/Week
6/1/2018	6979	0	4762	0	0
6/4//2018	6979	0	4772	10	10
6/11/2018	6983	4	4779	7	11
6/18/2018	6983	0	4793	14	14
6/25/2018	6983	0	4800	7	7
7/2/2018	6985	2	4816	16	18
Totals		6		54	60

Regarding comparing the manual groundwater measurements to the data logger, CWI cannot compare the manual readings for June since CWI only had data through May 19 (due to the data logger's battery running down since it was in the well over the winter) and the manual reading was taken on June 1. CWI will continue this practice next month.

Table 4 shows the groundwater levels plotted against daily precipitation and weekly irrigation well pumpage from June 1 to July 2, 2018.

The groundwater elevation during this period reached its highest level on June 29 at 817.876 feet above mean sea level. The groundwater elevation reached its low on June 6 at 815.34 feet above mean sea level. The variance during June was 2.536 feet in monitoring well DGW-2I.

June 2018 RCRA Semiannual Monitoring & Residential Well Sampling Event

The 2018 spring semiannual RCRA CMI groundwater and residential well sampling event was conducted on June 19 and 20, 2018. The locations of the monitoring wells and the residential wells are provided on Figure 2. The data is summarized in Table 4. The results / trends are summarized below. The historical data and plots of the data are provided in Attachment 1 in Figures 2 through 12. The laboratory reports for this sampling event are in Attachment 2. Table 5, attached, provides a crosswalk between the residential well owner's name (which is on Figure 2) and the address, which is the Sample Identification in the analytical report for the residential wells. The well stabilization field data is included in Table 6, attached.

MW (Monitoring Well) 2 – No MCLs have been exceeded since December 2007, see Figure 1.

MW-4 – The PCE MCL (5 μ g/L) has been exceeded since monitoring began in 1995 and since 2010 has trended downward from 70 μ g/L in December 2010 to 5.6 μ g/L in June 2018. See Figure 2. The TCE values have generally been below the MCL (5 μ g/L) since December 2012, but slightly exceeded the MCL in October 2014, June 2016 and December 2017.

MW-5 - The PCE MCL has been exceeded since monitoring began in 1995 and has trended downward from 210 μ g/L in December 2003 to the 100s in the 2000s and has been less than 100 μ g/L since June 2013 and was found at 71 μ g/L in June 2018, see Figure 3. TCE, TCA and DCE MCLs were last exceeded in the 2002 – 2005 time frame.

MW-5D – TCE values increased rapidly from 1995 to June 2003 (0 to 63 μ g/L) and has generally trended downward since then with the ten of the eleven latest readings ranging from 13 to 19 μ g/L, see Figure 4. PCE has been below the MCL of 5 μ g/L since December 2005.

MW-6 - Has only exceeded the PCE MCL and has been slightly below the MCL of 5 μ g/L since June 2013, was right at the MCL in December 2017 and was again below the MCL at 3.8 μ g/L in June 2018, see Figure 5.

MW-7- Regularly exceeds the MCL for PCE and has been trending lower since it reached 200 μ g/L in December 2006 (the June 2018 result was 36 μ g/L), see Figure 6. PCE has been less than 100 μ g/L since October 2008. The DCE MCL was exceeded in March and December 2009, but other than those two isolated occurrences, has been found at levels below the MCL since December 2003. The TCE MCL was last exceeded in December 2012.

MW-8 - Has regularly exceeded the PCE and TCE MCLs since testing began in 1995, see Figure 7. PCE has come down from 200 μ g/L in 2008 to a range of 56 to 73 μ g/L since December 2011. TCE levels have come down from a high of 34 μ g/L in June 1995 to the June 2015 value of 6.7 μ g/L. It was found at 9.5 μ g/l in June 2018. TCE has been found at 10 μ g/L or less in the last four semiannual samples.

MW-9 - Has not exceeded any MCL since April 2002 when it exceeded the PCE MCL with a value of 12 μ g/L, see Figure 8. There have only been six detections since then.

MW-HBR – This monitoring well only exceeds the MCL for PCE which it has done since monitoring began in 1995. However, it has generally trended downward from a high of 130 μ g/L in 2003 to the current value of 47 μ g/L indicating a relatively stable value since June 2013, see Figure 9. The duplicate sample was collected here and matched the values found in this sample.

DGW-1 is a three well nest - shallow (S), Intermediate (I) and Deep (D).

No MCLs have been exceeded in **DGW-1S** except TCE at slightly above the MCL at 5.6 μ g/L in June 2016, see Figure 10.

DGW-1I has exceeded MCLs for DCE, TCE, PCE, TCA and 1,2-Dichloroethane (DCA), see Figure 11. The PCE MCL has not been exceeded since 2002. The DCA MCL has not been exceeded since 2005. The TCA has been above the MCL 22 of the past 24 samples. DCE and TCE were found in June 2018 at 30 and 67 μ g/L, respectively.

DGW-1D has exceeded MCLs for DCA, DCE, TCE and Vinyl Chloride (VC), see Figure 12. The Vinyl Chloride (VC) MCL had been exceeded in six of the last eleven sampling events, but not in the last two sampling events. It was at 0.56 μ g/L in June 2018. MCLs for 1,2-DCA have not been exceeded since June 2007 except for a slight exceedance (6 μ g/L vs the MCL of 5 μ g/L) in December 2012. TCE has been below the MCL since December 2015. 1,1-DCE has generally trended lower since the high of 98.4 μ g/L was recorded in December 2005 and was below the MCL of 7 μ g/L in the past two sampling events.

DGW-2 is also a three well nest (shallow, intermediate and deep) that have been sampled since 2012. There have been no detections in these three wells; however, 1,1,1-TCA (at $1.2 \,\mu g/L$) and TCE (at $0.5 \,\mu g/L$), both below their respective MCLs of 200 and $5 \,\mu g/L$, were detected in DGW-2D in June 2016, the first detections. Since there had previously been no detections in all three of these wells, DGW-2D was immediately resampled on 7/21/2016 and there were no detections.

Five residential wells and one irrigation wells (South Branch Nursery) were sampled in the June 2018 semiannual RCRA sampling event. There were no detections of any VOCs by EPA Method 8260C, including all the chemicals of concern at Central Wire. The analytical results are provided in Attachment 2.

Summary of June 2018 RCRA Monitoring Well Data, μg/L

Well	TCE	PCE	TCA	DCE	VC
EPA MCL	5	5	200	7	2
MW-2	0.1	0.62	0	0	0
MW-4	1.5	5.6	2.3	0	0
MW-5	1.2	71	13	0.2 J	0
MW-5D	11	0.61 J	4.4	0	0
MW-6	0.12 J	3.8	0.33 J	0	0
MW-7	1.9	36	6.4	0	0
MW-8	9.5	56	0.83 J	0	0
MW-9	0	0.41 J	0	0	0
MW-HBR	0.66 J	47	5.1	0	0
DGW-1S	0.85 J	0	6	0.25 J	0
DGW-1I	67	0	260	30	0
DGW-1D	1.4	0	2.1	2.2	0.56 J
DGW-2S	0	0	0	0	0
DGW-2I	0	0	0	0	0
DGW-2D	0	0	0	0	0

J = Result is < the Reporting Limit but >/= to the Method Detection Limit and the concentration is an approximate value.

2 Summary of Validated Data and Results

Pump & Treat System Monthly NPDES Samples

The permit limitations and analytical results are shown in Table 7, below. There were no effluent limitation exceedances.

Table 7
Central Wire Union Illinois Pump & Treat Effluent Analytical Results

Parameter	Effluent Limitation (Daily Maximum), μg/L	Effluent Analytical Results, μg/L
1,1,1-Trichloroethane	20	2.9
Tetrachloroethene	20	0.78 J
Trichloroethene	20	6.0

J = Result is < the Reporting Limit but >/= to the Method Detection Limit and the concentration is an approximate value.

South Branch Nursery Well Samples

Central Wire collected samples at the South Branch Nursery [well no. 1(irrigation) and well no.2 (restroom)] on June 21, 2018. See Figure1 for location of these wells. There were no detections of volatile organic compounds in either well. These results are in the attached analytical report.

RCRA Monitoring Wells

The analytical data for this event is included in Attachment 2 and discussed above.

This NPDES analytical report also has environmental analytical results for CWI's North and South Seepage Ponds. These ponds are Illinois EPA-regulated seepage ponds for CWI's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and for storm water collection.

3 <u>Upcoming Events/Activities Planned</u> – CWI will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit.

CWI has reapplied for the NPDES permit for this system adding a second discharge for the pump and discharge system and awaits permit issuance by IEPA. The current permit expired on May 31, 2018. IEPA has verbally informed CWI that they could continue to operate their pump and treat system under the expired permit until the new permit is issued. The new permit has been public noticed and there have been requests for a public hearing. IEPA is currently making the determination on holding a public hearing.

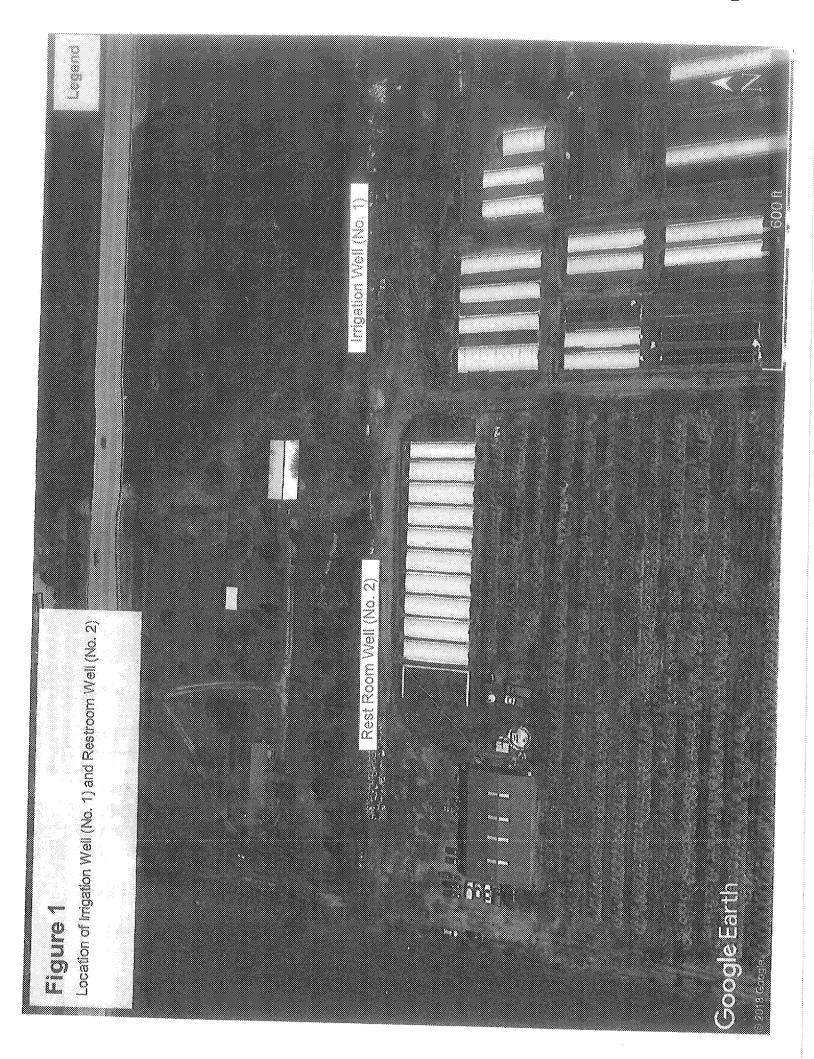
CWI has submitted a water well permit applications to the McHenry County Health Department for the replacement irrigation well for South Branch Nursery and the pump and discharge well and is responding to comments at this time.

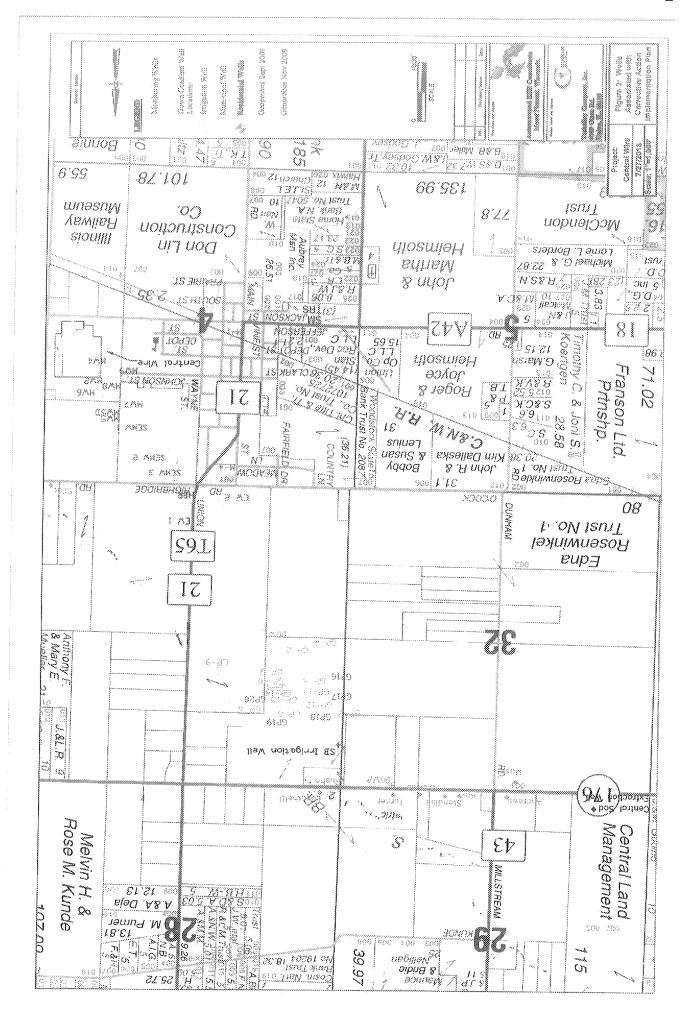
CWI plans to meet as needed with Goodmark Nurseries work out details and schedules and met with them on June 18, 2018 to identify the desired location and receive approval from Goodmark Nurseries. That approval was obtained.

Samples will continue to be collected at the South Branch Nursery wells [well no. 1(irrigation) and well no.2 (restroom)] every month when the irrigation pumps are operating, usually between May and November of each year.

As mentioned in Section 1 of this report, CWI is working with another well driller on alternative methods to increase flow in extraction wells EW-1 and EW-2.

- 4 Anticipated Problem Areas and Recommended Solutions None.
- 5 <u>Key Personnel Changes</u> None.
- Target and Actual Completion Dates This project has not deviated from the project schedule.





Pump and Treat Average Daily Flow in Gallons per Day (GPD) January 2015 through June 2018 Central Wire Union IL Table 1

Central Wire Union, IL Pump & Treat Average Daily Flow

by Month, January 2015 through June 2018

(in gallons per day)

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884008 97-Ae99 BENGA STREET $g\chi_{2}g_{2}g_{3}$ 83~381 £0-08G χγ-A08 23.420 ZX-3das ST-guA

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Date

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Pump & Treat Extraction Well Influent VOC Concentrations by Quarter & Estimated Influent Concentrations (in µg/L) Central Wire Union, IL

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J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Note: cis-1,2 - DCE not shown for EW-2 (all concentrations were under the MCL of 70 ug/L).

------ EVV-2 DCE

----EW-2 TCA

Quarters

Table 2 Graphs

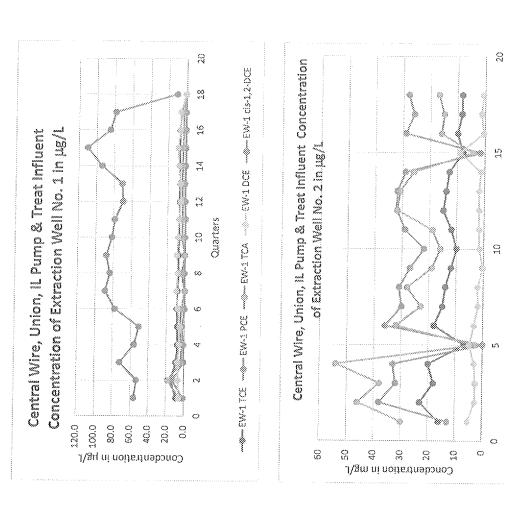


Table 5
Residential Wells Routinely Sampled as a Part of the Central Wire Union, IL RCRA CMI
Semiannual Groundwater Monitoring Well and Residential Well Sampling

Owner	Address
Helfvogt	18516 Route 176
Standish	18408 Route 176
Slais	17214 Highbridge Rd.
Logothetti	18516 Route 176
Sickles	18314 Route 176
Standish (now Ruzga)	18216 Route 176
South Branch Nursery	18101 Route 176
Rusho	18017 Route 176

Table 6 Central Wire June 2018 Groundwater Stabilization Data

Well	pH	Temp.	Cond	D.O. mg/L	Time		Well depth
MW-4	7.36	69.7	159	7.97	7:30	3.75	11.1
6-19-18	6.72	67.9	152	7.37	7:33		Audit Bibberi Arkiba es se en serven en e
COMMAN AND AND AND AND AND AND AND AND AND A	6.68	67.8	153	7.16	7:36	4 TO 10 TO 1	Account to the second s
LEBERHER BERGER AND	5.91	66.3	167	5.72	7:39	·	
	5.91	66.2	167	5.72	7:41		
Sampled	5.9	66.1	168	5.68	7:43	a an and water on the first of the first of the first own own was a second or second o	WWW.WINCO.
MW-6	7.41	54.9	461	5.36	8:09	5.41	26.89
6-19-18	5.84	52.9	458	1.16	8:12		To Dela Colonia de Col
	6.01	53	459	0.69	8:15		1995 (Activity в Монгором общения в полительной в рассии мударуру.
	6.29	53.1	459	0.69	8:18		THE RESERVE OF THE PROPERTY OF
	6.3	52.9	457	0.71	8:21		
Sampled	6.32	52.9	457	0.72	8:24		
MW-5	7.3	54.4	623	6.36	8:42	8.32	38.35
6-19-18	7.15	54.4	623	6.22	8:45	0.0 =	30,00
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	7.1	55.1	461	6.36	8:51		
AND THE RESERVE OF THE PROPERTY OF THE PROPERT	7.1	55	626	6.35	8:54		
Sampled	7.11	55	624	6.35	8:57		
MW-5D	7.62	56.3	512	10.3	9:23	6.1	86.3
6-19-18	7.67	55.5	504	10.51	9:27	0.1	00.3
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AND ALLEGO TO THE PARTY OF THE	7.61	55.3	502	10.3	9:33		, 100 p.
	7.6	55.4	502	10.2	9:36		
Sampled	7.61	55.5	503	10.1	9:39		
MW-7	7.49	56.6	813	6.27	9:54	6.33	26.05
6-19-18	7.49	55.4	827	1.77	9:54	6.33	26.95
0-19-10	7.24	54.9	831	0.9	10:00	-	MANAGEMENT OF THE PROPERTY OF
	6.96	55	832	0.81	10:03		WAS COMMON TO SERVICE OF THE SERVICE
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	7.02	55.1	833	0.91	10:09		
Sampled	7.02	55.2	834	0.92	10:12		
MM 9	7.00	E0.3	625	1 (1	40.44		07.40
MW-8 5-19-18	7.65 7.54	58.2 58	635	1.61	10:44	5.54	27.18
J-1J-10	7.54	56.9	632 614	1.43	10:47		
	7.46	56.7	609	0.65	10:50 10:53		i
	7.45	56.7	609	0.53	10:53		Y-1
Sampled	7.45	56.7	609	0.52	10:56		**************************************
umpieu	1.40	30.7	003	0.31	10.59		1.40
ЛW-9	7.69	59.9	485	12.1	11:15	5.68	27.19

Table 6 Central Wire June 2018 Groundwater Stabilization Data

Well	l pH l	Temp.	Cond	D.O. mg/L	er Stabilization Time	Water Level	Well depth
6-19-18	7.52	56.1	485		11:18		
CONTROL OF THE CONTRO	7.45	55.6	490	<u> </u>	11:21	THE STATE OF THE S	
	7.45	55.2	488	de la companya de la	11:24		
A 100 To	7.44	55.1	488	0.38	11:27		
Sampled	7.44	55.1	489	0.4	11:30		
MW-2	8.19	62.1	427	15.3	12:38	5.69	14.6
6-19-18	7.95	55.2	825	3.79	12:41		000475555555555555555555555555555555555
ASSOCIATION OF THE PROPERTY OF	7.75	53	789	1.13	12:44	OCC STOCK TO THE PROPERTY OF T	AND THE PROPERTY OF THE PROPER
TO THE STATE OF TH	7.7	52.9	770	0.83	12:47		
	7.67	52.7	768	0.81	12:50		V + (1-4/30 HAZ V 1-2000 A) - (1-4/30 HAZ V 1-2000 A)
Sampled	7.68	52.7	766	0.8	12:53		90000000000000000000000000000000000000
HBR	7.91	62.1	274	11.5	11:47	8.43	27.53
6-19-18	7.66	57	428	13.5	11:50		A STATE OF THE STA
	7.53	55.4	410	13.2	11:53		
	7.51	55.5	410	13.1	11:56		
	7.48	55.3	407	12.9	11:59	CONTRACTOR OF THE PROPERTY OF	
Sampled	7.47	55.3	406	12.8	12:02	Collected dupe	at 12:15.
DGW-1D	7.6	57.9	805	8.38	14:19	10.64	82.35
6-19-18	7.45	56.4	785	6.72	14:22		
PARTIE AND THE PARTIE	6.95	56	772	6.99	14:25		
	6.99	56.2	772	7.04	14:28		
9000000	7	56.2	774	7.7	14:31		
Sampled	7.01	56.2	774	7.69	14:34		AND THE STATE OF T
DGW-1I	7.38	59.6	682	2.77	14:42	10.73	57.6
5-19-18	7.35	58.7	673	1.86	14:45		
	7.28	58	670	1.52	14:48		
	7.25	58.2	671	1.43	14:51		
	7.23	58.3	673	1.4	14:54		
Sampled	7.23	58.3	673	1.38	14:57		
OGW-1S	7.46	58.5	488	9.56	15:10	10.59	27.45
5-19-18	7.38	56.8	470	11.4	15:13	OCINION NO.	***************************************
	7.25	55.9	453	11.8	15:16		
	7.21	55.7	451	11.8	15:19		
ampled	7.2	55.7	450	11.9	15:22	MANAGEMENT OF THE PROPERTY OF	
PGW-2S	7.71	54.1	381	13.3	8:15	3.94	26.82
-20-18	7.01	52.8	414	11.8	8:18		

Table 6 Central Wire June 2018 Groundwater Stabilization Data

Well	рН	Temp.	Cond	D.O. mg/L	Time		Well depth
200 E-00 - 10 - 10 - 10 - 10 - 10 - 10 -	6.91	52.6	418	11.3	8:21		
	7.01	52.5	419	11.1	8:24		
	7.01	52.5	420	11	8:27	7	- 0.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00 (1.00
Sampled	7	52.5	419	11.1	8:30		
THE RESIDENCE OF THE PROPERTY		rannemen en e	ANNA TIMO MININA DE MODIO DE M				99000.W
DGW-2I	7.21	55.4	536	10,000,000,000	8:40	4.15	56.82
6-20-18	7.33	54.8	537	4.01	8:43		
	7.35	54.7	539	3.48	8:46		
MANAGEM MINISTER AND	7.36	54.9	540	3.39	8:49		0.000
Sampled	7.36	54.9	540	3.38	8:52		
DGW-2D	7.71	55.8	292	23.2	7:48	3.44	84.85
6-20-18	7.16	54.8	285	17.5	7:51		01.00
	6.4	53.7	273	14.5	7:54		TVA POSETWORDS ON TO A SECTION OF THE SECTION OF TH
	6.53	53.7	270	14.2	7:57		
	6.54	53.5	269	14.2	8:00		
Sampled	6.55	53.4	269	14.2	8:03	THINNIA MARKAMANA COLONIA CANADA CANA	
17214 Highbridge	7.73	64.5	583	9.23	9:22	1	
6-20-18	7.58	60.1	544	10.3	9:25		
	7.47	60.1	538	11	9:28		
CONTROL TO A CONTR	7.45	59.9	535	10.9	9:31		
Sampled	7.44	59.8	533	10.89		Collected MS/MSE)

18010 Rt. 176 6-20-18 The water is off. The house is for sale. The home does not appear to be occupied.

18017 Rt. 176	7.28	58.6	655	0.74	9:55
6-20-18	7.14	55.4	623	0.63	9:58
	7	55.3	625	0.57	10:01
	6.98	55.4	627	0.55	10:04
	6.99	55.4	628	0.54	10:07
Sampled	7	55.4	629	0.53	10:10

South Branch (a)	7.48	57.6	685	9.14	10:25
6-20-18					

(a) There was no way to purge the well without flooding the inside of the well building.

18216 Rt. 176	7.46	53.4	411	9.87	10:36
6-20-18	7.09	51.6	405	9.48	10:39
	6.88	51.5	406	9.5	10:42

Table 6 Central Wire June 2018 Groundwater Stabilization Data

Well	рH	Temp.	Cond	D.O. mg/L	Time	Water Level Well depth
CONTROL SCHOOL S	7.03	51.6		9.47	10:45	MELICIA CONTROL DE CON
	7.05	51.5	407	9.45	10:48	
Sampled (b)	7.06	51.5	407	9.45	10:51	

(b) Sampled through a garden hose due to concern of damaging spigot removing the owners hose.

10014 04 476				**************************************	Total
18314 Rt. 176	7.65			10.6	11:25
6-20-18	7.45	56.2	482	7.63	11:28
THE THE SEAL OF THE	7.39	53.9	447	9.62	11:31
ATTENDED TO THE PROPERTY OF TH	7.33	52.8	434	8.98	11:34
	7.32	52.9	434	8.94	11:37
Sampled	7.32	553	434	8.92	11:40
possessing and the second seco	The second secon				
18408 Rt. 176	7.68	59	404	9.94	11:52
6-20-18	7.24	57.4	577	0.88	11:55
	7.15	55.9	554	0.77	11:58
	7.19	55.8	559	0.75	12:01
Souther and an apply follows.	7.18	55.6	556	0.72	12:04
Sampled	7.17	55.6	554	0.71	12:07
	WWW.				
18516 Rt. 176	7.35	64.1	595	1.13	12:20
6-20-18	7.2	53.2	519	0.57	12:23
	7	51.6	509	0.52	12:26
	6.96	51.5	509	0.51	12:29
	6.98	51.5	509	0.5	12:32
Sampled	6.99	51.5	509	0.5	12:35

18603 Rt. 176

The water appears to be off in the house.

6-20-18

DMR Copy of Record

Pormitted Feature; Recort Dates & Status Notitioning Period:			The second of the second of	Contract Contract	The Property of the Property o	· .
Permitted Feature. Report Dates & Status Worldwing Period:			CWCW Inserted	recent Location	0.00 01.00 eng 0.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000	gğ.
Monttoning Period:	gipt External Curtall	Discharge	881-2 TREATED GROUNDWATER			
	From 06/01/18 to desaums		o de de deservo	-		
Considerations for Form Completion BOWID Willingsong	Complication		311C31110	<u> </u>	Next DNR Validates	10
Principal Executive Officer						
First Name:	Getry	Trate:	Plant Mor.	The street course		
Last Name:	Russp			To the second se	613-622-610	
No Data Indicator (NDDI)						
tom NOD:						
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					Supple Su	citiza • Montedy
34505.1.1.1-Trichtonsethans	1 - Efforent Gross 8			a 3	0.0029 19 - mg/L 0.2 0.4U.Y kK 19 - mg/L 0	91730 - Monthly 01730 - Monthly
50050 Flow, in conduit or thru treatment plant. 1 - Estiuent Groos	reentislant 1 - Efficent Grass 0	Section = 0.307	* 0.319 03 - McD /5 Red Mon DAILY MK 03 - MSD		0	D1/20 - Nambly O1/80 - Northly
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78391 Trichleroctions	1 - Effluent Graps 0			# \$	0,008 0,008 0,008 0,008 0,008	O1730 - Monthly
Submissien Aeer					o Tubbia a sa yan a maran	UTABL - Remittey
If a parameter row does not	contain any values for the Sample nor Effluer	t Trading, then none of the following f	If a parameter row does not contain any values for the Sample not Effluent. Trading, then none of the following fields will be submitted for that number of Excursions. Frequency of Arrahists, and Sample Troes	bet of Excursions, Frequency of A	nalysis, and Sample Type	
com camen econom				,		
No emars,						
Commonits						
Results for June are under reporting limits.	eporting limits.					
Attachments						
Section County Div						
	ŭ					
User	SKYBOYIII					
Name;	Robert Johnson					
C-Mail:	formson@centralwire.cent	Wire, com				
Date/Time:	2015-07-10 18.3	2015-07-10 18:33 (Time Zone: 05:00)				
Report Lant Signed By		*				
User	SKYBOYDI					
Name.	Rabert Johnson					
E-Mail:	ήohn≤on@cemralwine.com	Wire com				

ATTACHMENT 1 TABLES AND PLOTS OF RCRA MONITORING WELL DATA

Ce ntro					21-12-20 21-12-20 21-12-20 21-12-20 21-12-20	
Figure 2 Is in VOC Concentrations for Parameters Exceeding WCL.s in Monitoring Well MW-4 at the Cantral Wire Union, Illinois Plant, 1995 - 2018						ిడి ∀లుπ
Figure 2 ations for Parameters Exceeding Wire Union, Illinois Plan	***************************************				02.3311.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.13 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.11.33 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.13 10.13.	Sampling Month & Year
Trends in VOC Concentr					So Software Control of Cont	
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June-14

0.99

Well not found under snow

June-15
December-15
June-16
December-16
Jun-17
Dec-17
Jun-18
MCL

Concentrations reported in micrograms per liter, Bold values exceed the MCL. EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted. June-95 data was not plotted due to large value.

Total 1,1-DCE

1,1-DCA

ಸರಜ

Sampling Month & Year

230

650

4000 150

June-95

Bold values exceed the ACL.
EPA Method 82605 was run. Only chemicals with detections above the MCLs were piotted.

,@	***************************************	***************************************	*		30G-> 30G->				
Figure 3 Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well MW-5 from 2002 - 2018									Sampling Month and Year
400	350	30	520	orial Milero	150	00	20	C	

MW-5

8 Year TCA TCE PCE DCE BY Rear TCA TCE PCE DCE BY TCA TCE PCE DCE BY TCA TCE PCE DCE BY TCA TCA TCE PCE DCE BY TCA		9	90000	90000	·····	 		·····			·····		·····	·····	·····	·····	·····	~~~~~	,,,,,,,	*****	,,,,,,	*****	,,,,,,	•••••											********	
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	e C H		9%	130	210	170	130	190	133	120	160	150	130	160	110	140	140	100	130	110	88	120	110	98	7.5	32	€	62	64	8. 5.	72	88	95	7.1	S	per liter.
	TOE		ဟ	10	2.5	4,7	r,	6,5	4.63	7.4	খ	4.5	4.6	8,5	3.1	3.5	2.7	3.5	3.2	2.6	2,5	4.2	2.6	2.4	80	2.1	€3	0.84	Ψ.	2.2	1.6	1,5	1.5	1.2	ιΩ	crograms
	ТСА		300	360	330	150	160	120	93.2	738	83	0	0	58	45	51	31	46	37	42	36	49	53	58	19	26	24	7.9	40	21	2	16	7.9	13	200	orfed in m
Sam Month Junu Janua Janua Junu Decem	Sampling Month & Year		April-02	June-03	ecember-0	June-04	January-05	June-05	December-05	go-aunr	December-06	June-07	December 07	March-08	October08	3rue-03	December-09	June-10	December-10	June-11		June-12		June-13		June-14	October-14	June-15		June-16	December-16	Jun-17	Dec-17	Jun-18	MCL	Concentrations repo

Trends in VOC Concentrations at the Central Wire Union, lilinois Plant for Parameters Exceeding the MCLs in Monttoring Well MW-5D from 1995 - 2018 Note of the MCLs in Monttoring Well MW-5D from 1995 - 2018 Sampling Month and Year

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December-10

June-10

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MW-SD

Sampling Month &

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December-11

June-11

June-13 December-13

June-14 October-14 June-15

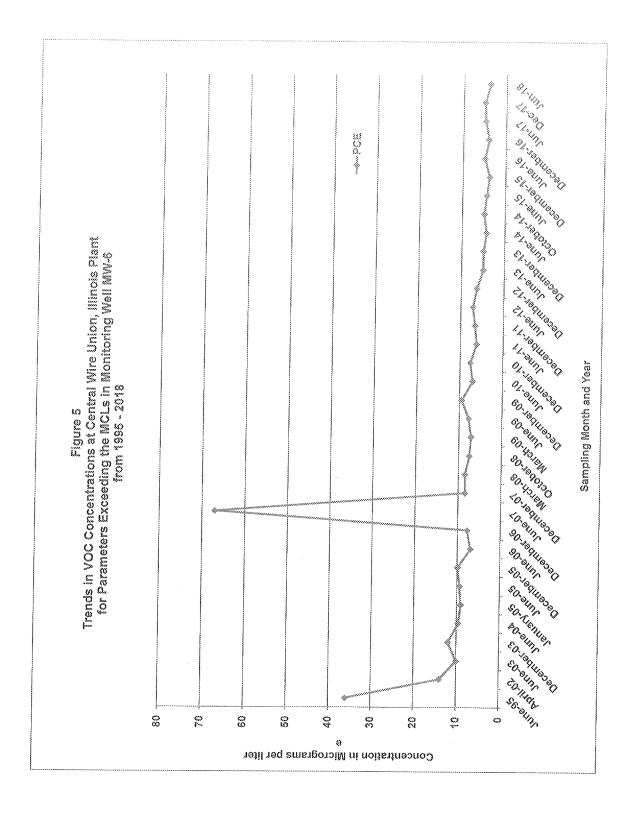
Concentrations reported in micrograms per liter. Bold values exceed the MCL.

0.72

8 5

Dec-17 Jun-18 MCL

EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

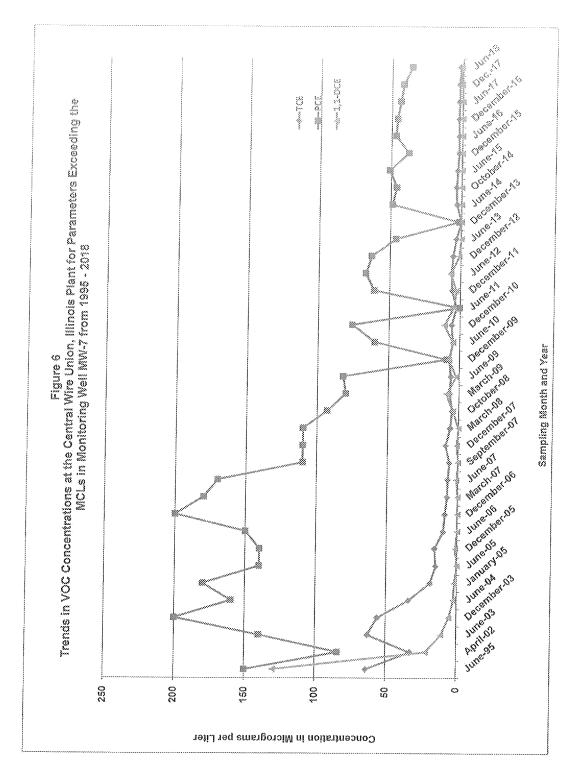


G.	PCE	36	12	10	12	9.6	9.1	9.4	9.81	7	7.8	67	8,4	8.5	7.54	7.2	7.8	9.5	7	7.6	6.2	6.6	7.2	6.3	4.9	4.9	4. 6.	9.4	4.4	3.8	4.9	4	4.8	જ	3.8	
NW-6	Sampling Month & Year	June-95	April-02	June-03	December-03	June-04	January-05		December-05	June-06	December-06	June-07	December-07	March-08	October-08	March-09	June-09	December-09	June-10	December-10	June-11	December-11	June-12	December-12	- [December-13	June-14	October-14	June-15	December-15	June-16	December-16	Jun-17	Dec-17	Jun-18	CM

Bold values exceed the MCL. EPA Method 8260B was run. micrograms per liter. Only chemicals with

Concentrations reported in

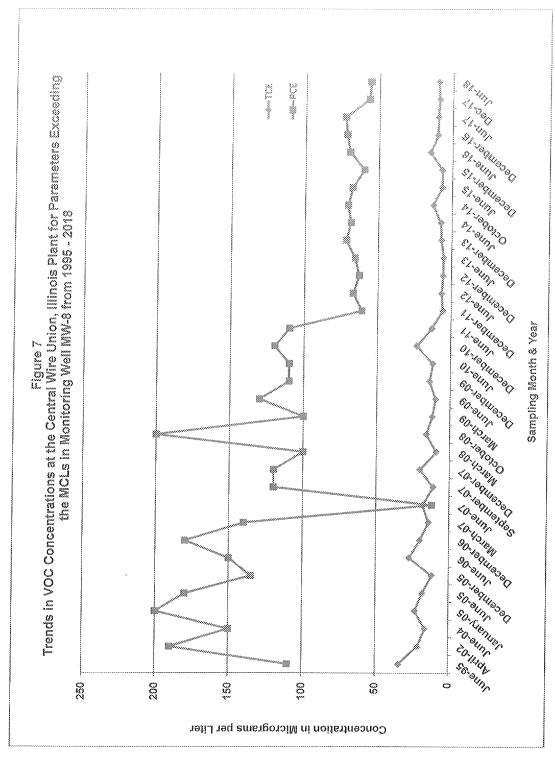
detections above the MCLs were plotted.



Sampling Month Year June-95 April-02	60	-		***************************************
June-95 April-02	~	TCE	g (3)	1,1-DCE
April:02	64	22	150	130
	33	~	84	32
June-03			140	1,1
December-03			200	5,5
June-04	36	**	160	2.3
January-05	#	e.	180	1.9
June-05		· · ·	140	О
December-05			140	1.45
June-06		~	150	0
December-06			200	0
March-07	1.7	 	180	0
June-07		~	170	1.1
September-07	6.2	~	110	0
December-07	80		110	1.2
March-08	w		110	0
October-08	4,8		93	4.3
March-09	8,9		90	8.8
90-eunr		m	82	2.4
December-09		~	8.6	7.5
June-10	4.8		09	8.4
December-10		m.	76	11
June-11	2.8		0.57	4.6
December-11	5,7		61	က
June-12	3.8	10	23	7
December-12	3.6		63	4,5
			345	o
December-13	-		1.8	0
June-14	3.3		49	0
October-14	3.8		46	0
June-15	3.1		S.	0
December-15	2.4		330	0
June-15	2.6		47	0
December-16	2.8		46	c
Jun-17	2.4		44	0
Dec17	2.4		42	0.84
Jun-18	1.9		36	1.1
	***************************************			***************************************

Concentrations reported in micrograms per liter, Bold values exceed the MCL.

EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.



150 335 180 120 200 200 5 5 50 110 120 180 720 ű 63 88 Z 21 68 88 88 22 22 63 57 11.6 23 24 25 25 25 5.5 5.5 7.5 2 2 2 2 2 8 4 6 1 8 တွဲ \$ 2 6.3 띩 S. ري ش 80 Q Q Q Q MW-8 Sampling Month & December-06 September-07 December-10 December-12 December-05 December-09 December-13 December-15 December-16 December-11 December-07 January-05 October-08 October-14 March-07 March-08 March-09 June-13 June-05 June-11 June-95 April-02 June-04 June-08 June-07 June-09 June-10 June-12 June-14 June-15 June-16 Dec-17 Jun-18 Jun-17 MCL

Concentrations reported in micrograms per liter. Bold values exceed the MCL. EPA Method 8260B was run. Only chemicals with

detections above the MCLs were plotted.

Figure 8 C Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well MW-9 from 1995 - 2018				\$0.6 m/s/m		Sampling Wonth and Year
Trends in VOC Conce	12	-0-	00	0 4	So allo so	

E E

Sampling Month &

MW-9

0 2

000

June-95 April-02 June-03 December-03 June-04 1.5

June-06 December-06

December-05

January-05 June-05 0000

June-07 December-07 March-08 0000

December-09 June-10 December-10

October-08 June-09

0

Concentrations reported in micrograms per liter, Bold values exceed the MCL.

EPA Method 8260B was run. Only chemicals with

0.55

June-14 October-14 June-15 December-15

00

December-13

June-13

7,7

June-12 December-12

0

June-11 December-11 0.87

June-16 December-16

Dec-17 Jan-1817 MCL

Parameters Exceeding the		
Figure 9 Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well MW-HBR (Highbridge Rd.) from 1995 - 2018		ampling Month & Year
Trends in VOC Concentrations a		Control of the contro
140	Concentratin in Micrograms Per Liter	S Supp

March-08 June-08 October-08

September-07

June-07

December-07

June-10 December-10

December-11

June-11

December-12

June-13

June-12

December-09

fune-09

120 130 65

June-03 December-03

June-95 April-02

MW-HBR

Sampling Month & Year

87 27 87.17

June-05 December-05

January-05

June-04

December-06

June-06 March-07

Boid values exceed the MCL. EPA Method 8260B was run. Only chemicals with Concentrations reported in micrograms per liter.

3 3 8 2

June-16 December-15

December-15

June-15

8 8 8 8

December-13

October-14 June-14

8 5 8 4

Jun-17 Dec-17

Jan-18 MCL

detections above the MCLs were plotted.

Si S
Groundwater Concentration in mg/L

1.39

Ó

0000

0

December-06

June-06

September-07

June-07

December-07

March-08

E H 4

2.5

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October-08

June-09

June-08

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December-09

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December-10

June-10

December-11

June-11

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0.72

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0

2.2 8.4 8.4

0.64

0.55

December-13

June-13

0

October-14

June-15 Dec-15

June-14

3.2 2.9 2.2

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0.76

0.56

December-12

June-12

7.6

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% 50 80 12 23

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23 0

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0.55 2.9 0.85

0.25

0

Dec-17

Jun-18 MCL

Jun-17

Dec-16

Jun-16

0

2.2

7.7

20

0

0

0

December-05

June-05

0

February-98

DATE

April-02

0

0.6

2

PCE

15 13 13

MW-HBR

1. TOCH THOCH

Concentrations reported in micrograms per liter. Bold values exceed the MCL.

EPA Method 8260B was run. Only chemicals with

detections above the MCLs were plotted.

Figure 11 Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well DGW-11 from 1998 – 2018 Tool Concentration in Micrograms per Liter Sampling Month 2 Year

th 1,1-DCE 1 6 6 21 26 13.6 89 6.9 6.9		-	***************************************	***************************************
ID O	,1,1-TCA	TCE	1,3-DCA	g. Di
15 (6)	۵	4	0.6	0
10 (0	83	70	150	4.7
15 (0	140	34	0	o
	47.2	21.6	18.4	0
60	22	12	0	0
-	18	5.7	0	0
	26	13	0	0
September-07 46	150	6,00	0	C
December-07 93	340	46	0	G
March-08 33	250	39	0	0
June-08 88	370	45	0	c
တ္	470	88	0	0
June-09 70	390	2,7	0	0
60	630	110	0	0
	640	7.1	0	0
December-10 75	460	72	0	0
June-11	340	20	0	0
-11	360	52	0	0
June-12 120	710	80	0	0
12	240	42	0	0
June-13 54	260	39	0	o
December-13 0	150	28	0	0
June-14 33	150	24	0	0
October-14 88	420	54	0	0
June-15 85	310	43	0	0
15	250	32	0	0
June-16	350	93	0	o
December-15 38	290	82	0	٥
	190	33	0	0
	220	30	o	0
Jun-18 30	360	67	O	o
MCL 7 200	200	w	'n	ಸು

is in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well DGW-1D from 1998 - 2018				30:				Sample Month and Year
Trends in VO	100 Titler	of arms	Microgr	en noite	Soncentra 6	200	SO SOLITO	

Sampling Month 1,1 & Year February-98 April-02				-
February-98 April-02	1,1-DCE	1,2-DCA	5	Ş
April-02	4	0	4	c
	24	o	o	C
	38	2.5	34	0
December-05 8	\$6.4	5.5	21.6	0
June-06	53	7.46	12	0
December-05	68	6.2	2,8	0
	87	Ø	13	0
September-07	90	4.4	8,0	0
December-07	29	8,4	46	0
March-08	99	2.8	39	0
June-08	31	2.2	45	0
	22	0	63	0
3 SO-auns	8.2	1.7	51	0
56	18	2	110	C
	8.1	1.5	7.4	0
December-10	12	1.3	72	c
-	43	2.9	20	C
-11	23	2.4	52	0
	10	2.4	80	0
-12	38	6.2	42	0
June-13 2	5.6	0	0.67	80
December-13	0	0	26	13
June-14	2.6	0	0.95	8.7
*	30	0	10	0.61
	35	0	£3	0
December-15	ຄົ	0	3,7	च्य
June-15	3.1	0	4.3	0
-16	8,8	0	3.5	3.9
	24	0	8.4	2.2
Dec-17 6	3,4	o	2.5	1.4
Jun-18	2.2	0	4	0.56
i i	·····	u		•
		,		y